FORM PTO-1390

REV. 5-93

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEYS DOCKET NUMBER **P00,1834**

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

U.S.APPLICATION NO. (if known, see 37 CFR 1.5)

09/673905

INTERNATIONAL APPLICATION NO. PCT/EP98/02775

INTERNATIONAL FILING DATE 12 May 1998

PRIORITY DATE CLAIMED 22 April 1998

TITLE OF INVENTION

7. ⊠

"SIGNALLING SYSTEM IN A SIGNALLING POINT".

APPLICANT(S) FOR DO/EO/US

Klaus GRADISCHNIG

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
- 2. Until is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
- 3.
 This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay.
- A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
- 5 A copy of International Application as filed (35 U.S.C. 371(c)(2))
 - a.

 is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. □ has been transmitted by the International Bureau.
 - c. \square is not required, as the application was filed in the United States Receiving Office (RO/US)
 - A translation of the International Application into English (35 U.S.C. 371(c)(2).
 - Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))
 - a. \square are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. Dhave been transmitted by the International Bureau.
 - c. \square have not been made; however, the time limit for making such amendments has NOT expired.
 - d. A have not been made and will not be made.
- A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).)
- 10.

 A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C.371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

- 11. An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; (PTO 1449, Prior Art, Search Report).
- 12. An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. (SEE ATTACHED ENVELOPE)
- 13.

 A FIRST preliminary amendment.
 - A SECOND or SUBSEQUENT preliminary amendment.
- 14.

 A substitute specification.
- 15.

 A change of power of attorney and/or address letter.
- 16.

 ☐ Other items or information:
 - a.

 Submittal of Drawings
 - b. ⋈ EXPRESS MAIL #EJ 077703907US, dated October 23, 2000.

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U.S.APPLICATION NO. (if known, se	673905		ATIONAL APPLICATION	v NO.	ATTORNEY'S DOCKET NU P00,1834	JMBER .
17. ™ The following f	17. The following fees are submitted:			CALCULATIONS	PTO USE ONLY	
BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): Search Report has been prepared by the EPO or JPO						
International prelim	ninary examination fee paid t	to USP	TO (37 C.F.R. 1.4	82) \$700.00		(
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	ENTER APPROI	PRIAT	TE BASIC FEE	AMOUNT =	\$ 860.00	
Surcharge of \$130.00 for ful from the earliest claimed price			er than □ 20 □	30 months	\$	
Ćlaims	Number Filed		Number Extra	Rate		
Total Claims	10 - 20) =		X \$ 18.00	\$.00	
Independent Claims	2 - 3	3 =		X \$ 80.00	\$.00	
^Multiple Dependent Cla	ims			\$270.00+	\$	
1	TOTAL	. OF <i>P</i>	ABOVE CALCU	ILATIONS =	\$ 860.00	
Reduction by 1/2 for filing by also be filed. (Note 37 C.F.R.		Verifie	d Small Entity sta	tement must	\$	
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					charged	\$
a. ⊠ A check in the	amount of \$ <u>860.00</u>)	_ to cover the	above fees is e	enclosed.	
b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.					the above fees. A	
c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 501519. A duplicate copy of this sheet is enclosed.						
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					137(a) or (b)) must be	
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IN THE UNITED STATES ELECTED OFFICE OF THE UNITED STATES PATENT AND TRADEMARK OFFICE UNDER THE PATENT COOPERATION TREATY-CHAPTER II

"PRELIMINARY AMENDMENT"

5 APPLICANT:

Klaus GRADISCHNIG

SERIAL NO.:

EXAMINER:

FILING DATE:

ART UNIT:

INTERNATIONAL APPLICATION NO.: PCT/EP98/02775

INTERNATIONAL FILING DATE: 12 May 1998

10 INVENTION:

SIGNALLING SYSTEM IN A SIGNALLING POINT

Hon. Assistant Commissioner for Patents Box PCT Washington D.C. 20231

SIR:

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Amend the above-identified international application before entry into the national stage before the U.S. Patent & Trademark Office under 35 U.S.C. §371 as follows:

IN THE SPECIFICATION

On page 1, before the title, insert --

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SPECIFICATION

TITLE--;

after the title, insert --

BACKGROUND OF THE INVENTION

Field of the Invention

The present invention is related generally to a signalling system and in particular to an apparatus and method in by which a signalling point communicates with itself using loops.--;

before line 2, insert --

Description of the Related Art--;

after line 22, insert --

SUMMARY OF THE INVENTION--;

in line 25, delete "a system according to claim 1." and insert --a signalling means for processing signalling messages, including links via which the signalling means is connected to other signalling means, at least one signalling system that sends signalling messages to other signal means or, respectively, receives signalling messages from these via said links, a signalling system that respectively allocates a signalling network identity to a link; and at least one link that is returned in a loop from the signalling point to the same signalling point, what is referred to as a loop link, whereby different signalling network identities are allocated to the loop link at the output and input side by the signalling system.--;

after line 25, insert --

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a schematic diagram which shows an embodiment of the invention for the interworking in a signalling point;

Figure 2 is a schematic diagram which shows an embodiment of the invention for the load generation;

Figure 3 shows routing tables in the point codes X, 1 and 3 belonging to the embodiment in Figure 2, i.e. in the different networks of the signalling point supported by the system;

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Figure 4 is a block diagram which shows an embodiment of the invention for the interworking in combined broadband and narrowband systems;

Figure 5 is a schematic diagram which shows an embodiment of the invention wherein an operator offers inter-network STP services to a number of other network operators; and

Figure 6 shows routing tables belonging to the embodiment in Figure 5.--;

after line 27, insert --

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--.

On page 2, in line 1, delete "said" and insert --the--.

On page 3, in line 1, delete "Said" and insert --The--; in line 10, delete "[sic]"; and in line 15, delete "said" and insert --the--.

On page 4, in line 26, delete "[sic]".

On page 5, in line 4, delete "[!!!!!!!]"; in line 16, before "primary" insert --a--; and after line 22, add the following new paragraph --

Although other modifications and changes may be suggested by those skilled in the art, it is the intention of the inventors to embody within the patent warranted hereon all changes and modifications as reasonably and properly come within the scope of their contribution to the art.--.

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IN THE CLAIMS

On substitute page 6, line 1, change "New Patent Claims" to --I Claim:--.

Amend claim 1 as follows:

- 1. (Amended) [Signalling means] <u>A signalling apparatus</u> for processing signalling messages, comprising
 - -- links via which the signalling [means] <u>apparatus</u> is connected to other signalling [means] <u>apparatus</u>,
 - -- at least one signalling system that sends signalling messages to <u>the</u> other signal [means] <u>apparatus</u> or, respectively, receives signalling messages from <u>the other signalling apparatus</u> [these] via said links,
- 8 [characterized by]

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- -- [a] <u>said</u> signalling system that respectively allocates a signalling network identity to <u>said links</u> [a link];
- at least one of said links that is returned in a loop from [the] a signalling point to the [same] signalling point[, what is referred to] as a loop link, [whereby] different signalling network identities being [are] allocated to the loop link at [the] an output and input side by the signalling system.
- 2.(Amended) [Signalling means] A signalling apparatus according to
 claim 1, [characterized in that] wherein said signalling system, with [the]
 assistance of a said loop link[,] communicates signalling messages between two
 other signalling systems contained in the signalling [means] to which is
 respectively provided [comprises] an interface.
- 3.(Amended) [Signalling means] A signalling apparatus according to
 claim 1, [characterized in that] wherein said signalling system generates internal
 load for test purposes with [the] assistance of [at least one] said loop link.

- 4.(Amended) [Signalling means] A signalling apparatus according to
 claim 1, wherein [characterized in that] said signalling system realizes an
 interworking [Internetworking [sic]] communication with other networks with
 [the] assistance of a said loop link.
- 5.(Amended) [Signalling means] A signalling apparatus according to [one of the claims] claim 1 [through 4], wherein [characterized in that] said signalling system is a signalling system according to No. 7 and allocates [the] a same network identifier [(NI)] to said loop link at the output and input side.
 - 6.(Amended) [Method] <u>A method</u> for signalling in a signalling means, comprising the steps of: [in accord wherewith]
 - -- [a signalling system of the signalling means allocates] <u>allocating</u> signalling network identities to [the] links of [the] <u>a</u> signalling [means] <u>apparatus by a signalling system;</u>
- [the signalling system allocates] <u>allocating</u> different signalling network identities at [the] <u>an</u> output and input side to a link[, what is referred to] as [the] <u>a</u> loop link[,] that is returned from the signalling <u>apparatus</u> [means] to [the] <u>a</u> same signalling means in a loop.

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7.(Amended) [Method] A method according to claim 6, further comprising
the steps of: employing [characterized in that a] said loop link [is employed] by
said signalling system [in order] to communicate signalling messages between
two further signalling systems of the signalling means having [to which it
comprises] a respective interface.

8.(Amended) [Method] <u>A method</u> according to claim 6, <u>further comprising</u> the step of: employing [characterized in that a] said loop link [is employed] by said signalling system to generate load for test purposes.

9.(Amended) [Method] A method according to claim 6, further comprising
the steps of: employing [characterized in that a] said loop link [is employed] by
said signalling [in order] to enable [a desired Internetworking [sic]] with other
networks [for a network].

10.(Amended) [Method] A method according to [one of the claims] claim 6 [through 9], further comprising the steps of: [characterized in that a common NI is allocated] to [a] said loop link at [the] an output and input side by said signalling system.

IN THE ABSTRACT

Delete lines 2 and 8.

REMARKS

The foregoing amendments to the specification and claims under Article 41 of the Patent Cooperation Treaty place the application into a form for prosecution before the U.S. Patent and Trademark Office under 35 U.S.C. §371.

Accordingly, entry of these amendments before examination on the merits is hereby requested.

Respectfully submitted,

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Chicago, Illinois 60606 Telephone: 312-258-5785

ATTORNEY FOR APPLICANT

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C/prts. 09/673905
(2 Sets of drawings)
422 Rec'd PCT/PTO 23 OCT 2000

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SIGNALLING SYSTEM IN A SIGNALLING POINT

In channel-related signalling systems, for example in the signalling system R5, it is possible that a signalling point communicates or, respectively, sets up a connection with itself via a payload channel loop. This is not possible in the signalling system ZGS7 (see below). However, such loops are advantageous for solving a number of problems. For the interworking of different signalling systems, it is a critical simplification in the realization when all signalling systems interwork with a selected signalling system and not each with each. Further, such loops are advantageous in order to be able to test systems with high traffic. Finally, monitors can be attached to such loops. Different traffic flows can then be supplied for observation on the basis of purely administrative measures (without hardware restrapping).

In ZGS7, a signalling point is identified by an address, what is referred to as the signalling point code. The level 3 of the message transfer parts cannot send a message to its own signalling point code or, respectively, cannot receive a message from itself. Certain users of the message transfer part, for example TUP and ISUP, can also normally not send channel-related messages to themselves, even if the message transfer part were to enable this. In order to nonetheless enable such loops, specific methods have been implemented that are essentially comprised therein that specific signalling channels form loops on which destination and/or sender address are inverted/complemented. Similar, user-specific modifications must be potentially implemented for users.

The invention is based on the object or enabling loop formation without said disadvantages.

This object is achieved by a system according to claim 1.

The invention is explained in greater detail below with the assistance of the drawing, whereby the drawing comprises six Figures.

In ZGS7, a network is identified by what is referred to as a network indicator (NI) that is contained in the messages. 2 bits for the NI are reserved in the messages; up to four networks can thus been distinguished from one another in a node

(said networks can, for example, be a matter of the signalling networks of communication networks of different operators or different technologies (for example, broadband or narrowband) as well as a matter of national or, respectively, international signalling networks). Since a signalling link normally belongs to only one network, however, the perception has prevailed that allocating individual links to specific networks suffices for distinguishing the network. The NI is thus no longer required as a distinguishing feature.

In fact, there are communication systems that support more than four signalling networks (for example, 8 or 32), for example the EWSD system of Siemens AG, or such systems are being planned. A network identity is thereby internally allocated to each signalling link and an NI is externally allocated to each internal network identity. Networks with different internal identity can thereby definitely use the same external NI. Each (internal) network is thereby completely separated from the other networks.

This concept, what is referred to as the multiple network concept, is then employed for operating loops in ZGS7 without requiring additional development. The signalling system in a signalling point is identified in two (internal) networks by different point codes. These two networks can then be unproblematically connected to one another by signalling links. When a check of the incoming NI for correctness is implemented in the system or, respectively, in at least one of the two networks to be interworked with one another, then the same external NI must also be allocated to the two internal networks. Note: when there is no mapping of incoming linkset onto NI and different networks must be monitored by a single, shared network entity (protocol realization), the NI therefor must be taken to identify the "responsible" network (the applicable routing table). Without a check, for example, it is thereby possible that a message from one network is illegally forwarded into another network due to the employment of an incorrect NI, which can lead to disadvantageous behavior in the other network (this could be referred to as *uncontrolled* tunneling since it is externally triggered and can no longer be controlled in the node).

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Said arrangement is referred to below as network or, respectively, signalling tunnel. Embodiments of the invention are explained in greater detail below.

Figure 1 shows an embodiment of the invention for the interworking in a signalling point.

An ISUP is located both in the internal network 1 as well as 2. Externally, the two networks use the same NI but different point codes. A call between R1 and R2 is routed via the ISUP loop. It suffices for this purpose to correspondingly configure the ZGS7 routing tables in both networks as well as the routing tables for the call processing (R1 and R2 in ISUP) and to accomplish [sic] the necessary trunks and signalling tunnels for the ISUP loop.

An interworking is realized between CCITT signalling system R1 and ISUP as well as between CCITT signalling system R2 and ISUP but not between R1 and R2. A call that is supposed to run from R1 to R2 is first handed over outgoing to the ISUP by the call processing, said ISUP routing the MSU belonging to this connection setup via the signalling tunnel to the ISUP of the other network. Coming from R1, thus, the call is thus first handed over to the ISUP in network 1. Using the called party address signalled by R1, the ISUP determines the next destination with the appertaining DPC (DPC=9), enters this DPC into the MSUs and then hands over these MSUs to the MTP of ZGS7. The MTP takes the DPC from the MSUs and, on the basis of its routing table for network 1, determines the link (a loop link) therefrom via which it further-routes the MSU. The ISUP in network 2 receives the MSUs from the MTP and in turn hands over the MSUs and, thus, the call to the call processing. On the basis of its routing table, the call processing then determines that the call is forwarded via R2.

Figure 2 shows an embodiment of the invention for the load generation.

Figure 3 shows routing tables in the point codes X, 1 and 3 belonging to the embodiment in Figure 2, i.e. in the different networks of the signalling point supported by the system.

For example, 6 networks are established in the system and cyclically connected to one another by network tunnels. Two networks (networks 2 and 3 here)

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are also connected to a protocol test device that emulates a point code (X and Y here) in each of the two networks. All networks employ the same NI.

These routing tables in the networks in the system are configured such that network 3 routes MSUs that contain a destination point code PC=X to network 4, and network 4 routes them farther to network 5, etc. The routing tables are analogously configured in the opposite direction for PC=Y. A message generated by the test device is thus routed through the system six times, as a result whereof high system loads can be generated with relatively simple test devices. Further variations of this application are the incorporation of the users (for example, ISUP) or, on the other hand, completely closed loops wherein MSUs constantly circulate.

Figure 4 shows an embodiment of the invention for the interworking in combined broadband and narrowband systems.

The SSNC is the shared MTP platform in the EWSD broadband node. B-ISUP is located only in the EWSX part, N-ISUP in the EWSD and EWSX. In order to enable an NNI (trunk) interworking in the EWSD broadband node bet. broadband and narrowband without additional development, the interworking between N-ISUP in the EWSD and N-ISUP in the system EWSX can be achieved by the described signalling tunnel.

Figure 5 shows an embodiment of the invention wherein an operator (for example, D1) offers inter-network STP services to a number of other network operators (for example, D2, E+, E2). This exemplary embodiment can be employed for certain practically relevant expressions of the incoming linkset/DPC screening (see Q.706, §8).

D1 should thereby be able to interwork with all other networks, D2 with D1 and E+, E+ with D1 and D2, and E2 only with D1. This function can be solved [sic] with a plurality of internal networks connected by tunnels. A separate internal network is thereby allocated to the links to a respective network operator. The individual networks are connected by tunnels in conformity with the allowed signalling relationships. The routing tables in the individual networks are configured in conformity with the allowed relationships.

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Alternatively, the traffic between the networks can also be routed via an internal transition network (see the example from Figure 1). This has the advantage that fewer tunnels are potentially required. On the other hand, traffic between the networks then gotta go through two tunnels. [!!!!!!!!] It is thereby probable in this embodiment that the internal networks are based on a common external address space, i.e. that there's really only one network externally. In our example, this network would be what is referred to as the network interworking. Seen from the outside, the different internal networks look like separate STP connected to one another according to the rules.

Figure 6 shows routing tables belonging to the embodiment in Figure 5.

These routing tables in the four logical internal networks of the signalling point show allowed primary and, potentially, secondary routes to the respectively other networks, whereby these routes are identified by the respectively next point code. The row marked with D2 in the first table, for example, thereby symbolically stands for all destinations (point codes) in D2 that are allowed to be selected proceeding from D1. The direct link(set) to Pc=b is thereby taken as primary route. If this link(set) happens to have failed, the route via PC=c can be taken as secondary route since a route to D2 is also present therefrom. The "external" routes, for example from Pc=a into the D1 network, are not recited here since they're not relevant.

The explained embodiments of the invention have shown that an existing mechanism ("multiple networks") can be employed without additional outlay for a number of applications as a result of the inventive configuration.

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New Patent Claims

- 1. Signalling means for processing signalling messages, comprising
- -- links via which the signalling means is connected to other signalling means,
- at least one signalling system that sends signalling messages to other signal means or, respectively, receives signalling messages from these via said links,

characterized by

- a signalling system that respectively allocates a signalling network identity to a link;
 - at least one link that is returned in a loop from the signalling point to the same signalling point, what is referred to as a loop link, whereby different signalling network identities are allocated to the loop link at the output and input side by the signalling system.
- 2. Signalling means according to claim 1, characterized in that said signalling system, with the assistance of a said loop link, communicates signalling messages between two other signalling systems contained in the signalling means to which is respectively comprises an interface.
- 3. Signalling means according to claim 1, characterized in that said signalling system
 generates internal load for test purposes with the assistance of at least one said loop link.
 - 4. Signalling means according to claim 1, characterized in that said signalling system realizes an Internetworking [sic] with other networks with the assistance of a said loop link.
- 5. Signalling means according to one of the claims 1 through 4, characterized in that said signalling system is a signalling system according to No. 7 and allocates the same network identifier (NI) to said loop link at the output and input side.

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- 6. Method for signalling in a signalling means, in accord wherewith
- a signalling system of the signalling means allocates signalling network identities to the links of the signalling means;
- the signalling system allocates different signalling network identities at the output and input side to a link, what is referred to as the loop link, that is returned from the signalling means to the same signalling means in a loop.
- 7. Method according to claim 6, characterized in that a said loop link is employed by said signalling system in order to communicate signalling messages between two further signalling systems of the signalling means to which it comprises a respective interface.
- 8. Method according to claim 6, characterized in that a said loop link is employed by said signalling system to generate load for test purposes.
- 9. Method according to claim 6, characterized in that a said loop link is employed by said signalling in order to enable a desired Internetworking [sic] with other networks for a network.
- 10. Method according to one of the claims 6 through 9, characterized in that a common NI is allocated to a said loop link at the output and input side by said signalling system.

Abstract

Signalling System in a Signalling Point

Loops via which a signalling point communicates with itself are advantageous for solving various problems. According to the invention, a loop is enabled by a link that is returned in a loop from a signalling point to the same signalling point and to which two different signalling network identities are allocated at the output and input side.

Figure 5

FIG 1: Interworking via ISUP

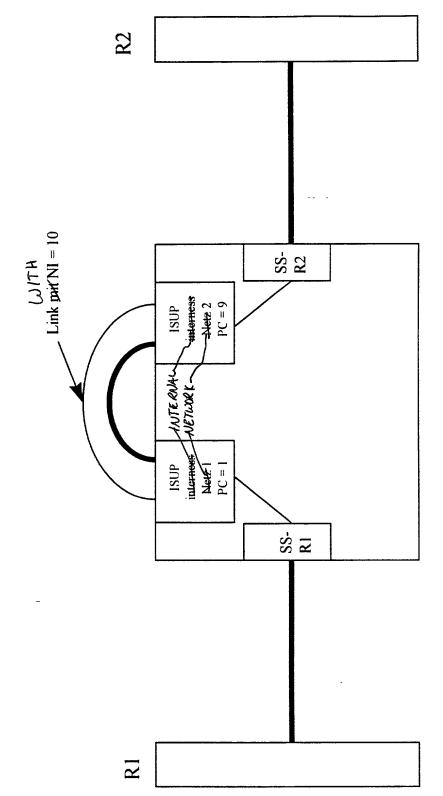


FIG 2: Lastgenerierung

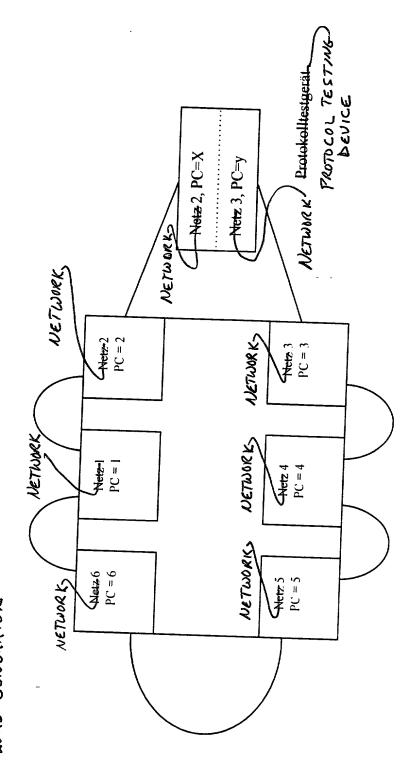


FIG 3: Routing Gabellen Zum Beispiel in FIG 2 (Lastgenerierung)

Fix Pointende X, 1 und-3

Routing Tabelle in Pointcode X

EMPLOY DIRECT LINK
SETTO POINT CODE
Routing Tabelle in Pointcode 1
ABLE

EMPLOY DIRECT LINK SET TO POINT CODE

et zur

	verwende direkten Limkse Pointeode	2	9		2	9	9	9	9
	Zum Pointeode To Point CODE	Х	Å	1	2	3	4	5	9
_									
	vervende direkten Linkset zu- Pointcode		2	2	2	2	2	2	2
	Zum Pointeode To Point Core	Х	Ą	-	2	3	4	5	9

POINT CODE Routing Tabelle in Pointcode 3

EMPLOY DIRECT LINIC - SET TO POINT CODE vervende direkten Linkset zu Pounteete > TO PRINTCOPE Zum Pointcode 9

FIG 4: Interworking in kombinierten Breitband and Schmalbandsystemen (EWSD Boradband Node)

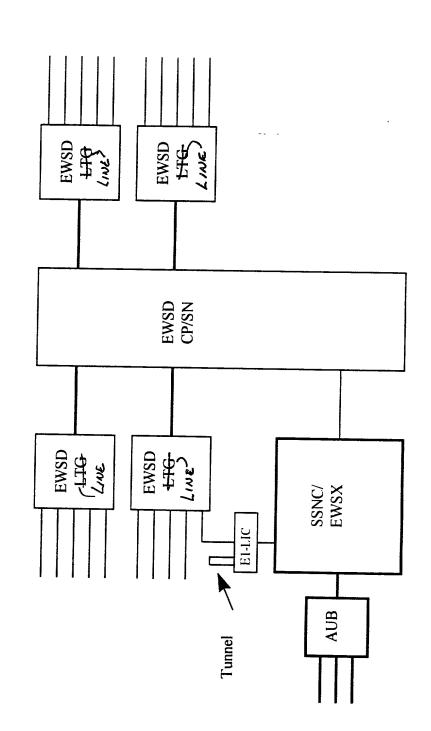


FIG 5: Incoming Linkset/DPC Screening

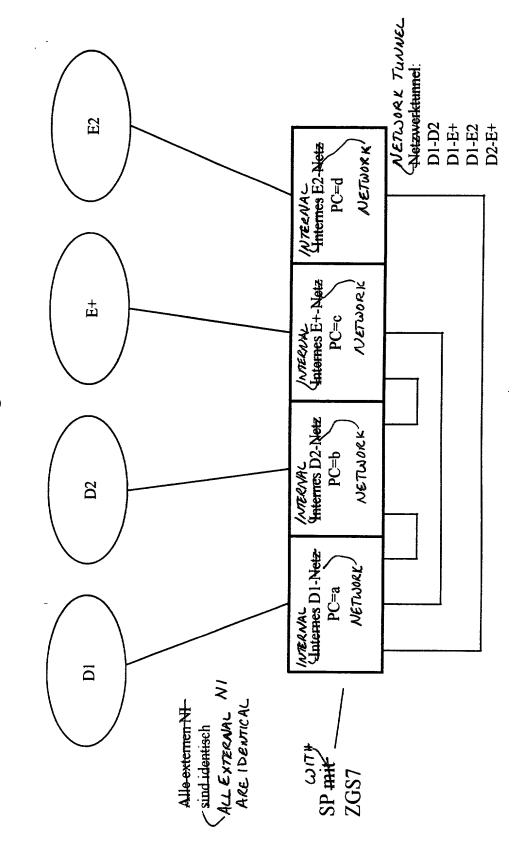


FIG 6: Routing Tabellen zum Beispief in FIG 5 (Incoming Linkset/DPC

Screening) für Tunnel-Routen-

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	а	l	
E2	ΙQ	D2	E+
)		

		а	q	1
	E+	DI	D2	E2
I				

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	а	3	ŀ
D2	DI	E+	E2

	၁	q	1
	q	၁	p
DI	D2	E+	E2

Declaration and Power of Attorney For Patent Application Erklärung Für Patentanmeldungen Mit Vollmacht German Language Declaration

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name,
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
the specification of which
(check one)
is attached hereto.
was filed on as
PCT international application PCT Application No and was amended on
(if applicable)
, ,,
I have by otate that I have no investigation to the Little
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.
I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1 56(a).
I hereby claım foreign priority benefits under Title 35,
United States Code, §119 of any foreign application(s)
for patent or inventor's certificate listed below and have also identified below any foreign application for
have also identified below any foleigh application for

		German Langı	uage Declaration		
Prior foreign ap Priorität beans				<u>Prior</u> i	rity Claimed
98 107 336. (Number) (Nummer)	(Number) (Country) (Day Month		pril 1998 (ear Filed) lahr eingereicht)	Yes Ja	No Nein
(Number) (Nummer)	(Country) (Land)	(Day Month Y (Tag Monat Ja	rear Filed) ahr eingereicht)	☐ Yes Ja	No Nein
(Number) (Nummer)	(Country) (Land)	(Day Month Y (Tag Monat Ja	rear Filed) ahr eingereicht)	Yes Ja	No Nein
prozessordnung 120, den Vorz dungen und Anspruch diese amerikanischen Paragraphen de der Vereinigten erkenne ich ge Paragraph 1.56 Informationen a der früheren A	g der Vereinigten zug aller unten zug aller unten ze falls der Gege er Anmeldung nich Patentanmeldur es Absatzes 35 den Staaten, Paragra emäss Absatz 37,6(a) meine Pflicht an, die zwischen Anmeldung und den Anmeldeda	s Absatz 35 der Zivil- s Staaten, Paragraph aufgefuhrten Anmel- enstand aus jedem cht in einer fruheren ng laut dem ersten er Zivilprozeßordnung aph 122 offenbart ist, , Bundesgesetzbuch, zur Offenbarung von dem Anmeldedatum dem nationalen oder atum dieser Anmel-	I hereby claim the be States Code. §120 of a listed below and, insofa of the claims of this app prior United States appl by the first paragraph of §122, I acknowledge information as defined Regulations, §1 56(a) filing date of the prior a PCT international filing	any United Star as the subjudication is notication in the of Title 35, United to the duty to in Title 37, which occupapplication a	tates application(s) pject matter of each not disclosed in the e manner provided Inited States Code, disclose material f, Code of Federal ured between the and the national or
(Application Serial N (Anmeldeseriennum	lo.) imer)	(Filing Date) (Anmeldedatum)	(Status) (patentiert, anhängig, aufgegeben)	(r	Status) patented, pending, abandoned)
(Application Serial N (Anmeldeseriennum		(Filing Date) (Anmeldedatum)	(Status) (patentiert, anhängig, aufgeben)	ą)	Status) patented, pending, abandoned)
den Erklärung besten Wissen entsprechen, un rung in Kenntnis vorsätzlich falsc Absatz 18 der Staaten von Am Gefängnis bestra wissentlich und tigkeit der vorlie	gemachten Anga und Gewissen of dass ich diese of s dessen abgebe, o che Angaben gemä Zivilprozessordnu merika mit Geldsti raft werden koenne vorsätzlich falsch	mir in der vorliegen- aben nach meinem der vollen Wahrheit eidesstattliche Erklä- dass wissentlich und äss Paragraph 1001, ung der Vereinigten rafe belegt und/oder en, und dass derartig ne Angaben die Gül- meldung oder eines en können.	I hereby declare that a my own knowledge are made on information a true, and further that t with the knowledge that the like so made a imprisonment, or both, to of the United States Costatements may jeop application or any patent	e true and the and belief are these statem at willful false are punisha under Section be and that the ardize the	hat all statements are believed to be ments were made a statements and able by fine or on 1001 of Title 18 t such willful false validity of the
		Page	2 of 4		

German Language Declaration

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